

**REMARKS**

The Examiner believes that the following patentably distinct inventions are claimed in the present application:

- Group I, Claims 1-10 drawn to a polynucleotide, vector, host cell and method of making the encoded polypeptide;
- Group II, Claims 11-23, drawn to a polypeptide;
- Group III, Claims 24 and 25, drawn to an antibody'
- Group IV, Claims 26-31 and 42, drawn to a method for promoting differentiation using a polynucleotide;
- Group V, Claim 32, drawn to a method for inhibiting differentiation using a polynucleotide;
- Group VI, Claim 33, drawn to a method for promoting RNA polymerase II-mediated transcription using a polynucleotide;
- Group VII, Claims 34-36a, drawn to an inhibitor of small CTD phosphatase;
- Group VIII, Claim 36b, drawn to a method for promoting differentiation using an inhibitor of small CTD phosphatase expression;
- Group IX, Claim 37, drawn to a method for promoting differentiation using an antibody'
- Group X, Claim 38, drawn to a method for identifying a modulator of a polypeptide;
- Group XI, Claims 39 and 40, drawn to a method for modulating differentiation using a SCP modulator;
- Group XII, Claim 41, drawn to a method for transplanting a stem cell into a patient.

The Examiner has further indicated that a number of species are disclosed in certain of the above-identified groups as follows:

Group I species:

- (A) SEQ ID NO: 1 or encoding SEQ ID NO: 2
- (B) SEQ ID NO: 3 or encoding SEQ ID NO: 4
- (C) SEQ ID NO: 5 or encoding SEQ ID NO: 6
- (D) SEQ ID NO: 7 or encoding SEQ ID NO: 8
- (E) SEQ ID NO: 9 or encoding SEQ ID NO: 10
- (F) SEQ ID NO: 11 or encoding SEQ ID NO: 12
- (G) ATCC BE300370
- (H) ATCC AL52001
- (I) ATCC AL520463

Group II, III, IX, or X species:

- (J) SEQ ID NO: 2
- (K) SEQ ID NO: 4
- (L) SEQ ID NO: 6
- (M) SEQ ID NO: 8
- (N) SEQ ID NO: 10
- (O) SEQ ID NO: 12

- (P) Encoded by ATCC BE300370
- (Q) Encoded by ATCC AL520011
- (R) Encoded by ATCC AL520463
- (S) SCP1
- (T) SCP 2
- (U) SCP 3

Group IV species:

- (V) SEQ ID NO: 10
- (W) SEQ ID NO: 12

Group IV species:

- (X) Neuron
- (Y) Glial cell
- (Z) Microglial cell
- (AA) Astrocyte

Group V species:

- (BB) SEQ ID NO: 2
- (CC) SEQ ID NO: 4
- (DD) SEQ ID NO: 6
- (EE) SEQ ID NO: 8

Group VI species:

- (FF) SEQ ID NO: 10
- (GG) SEQ ID NO: 12

Group VII or VIII species:

- (HH) Small molecule inhibitor
- (II) Nucleic acid molecule

Group VII species:

- (JJ) SEQ ID NO: 1 or encoding SEQ ID NO: 2
- (KK) SEQ ID NO: 3 or encoding SEQ ID NO: 4
- (LL) SEQ ID NO: 5 or encoding SEQ ID NO: 6
- (MM) SEQ ID NO: 7 or encoding SEQ ID NO: 8

Group XI or XII species:

- (NN) SCP 1
- (OO) SCP 2
- (PP) SCP 3

### **ELECTIONS:**

Applicants hereby elect the invention of group I, claims 1-10, drawn to a polynucleotide, vector, host cell, and method of making the encoded polypeptide. In addition, Applicants elect the species of SEQ ID NO: 1 and the polypeptide of SEQ

ID NO:2. Applicants submit that the elected species are readable on claims 1-10.

The elections are made without traverse.

The Examiner is invited to call the undersigned at 858.509.7300 should any additional issue remain regarding this response.

The Commissioner is hereby authorized to charge any fee deficiency or credit any overpayment of fees to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

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